1162/15-16

ಶ್ರೀ ನಾರಾಯಣಸ್ವಾಮಿ. ಬಿ
ಕೆ.ಇ 2013. ಇವರಿಗೆ
ಸಂಖ್ಯೆ. ಆ ಕಛೇರಿ
01 ರಿಂದ 4/6/2001 ರ ವರೆಗೆ
ಕಿ ಮಾಡಲು ನಿರ್ದೇಶಿಸಿದೆ.

EXECUTIVE ENGINEER,
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Zone, Bangalore-57.

24/1/16

2/1/16

1st & final Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B

416101

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of works :- Modified estimated for improvements & Asphalting of proshanthnagara & Balance roads in ward No. 13 in Shettyhalli sub-Division Est Cost :- 25.00 Lakhs Job code No :- 013-15-000005 Work order No :- GE/PD/WO/365/14-15 Agency :- G. N. Ramesh						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurment Recorded on 30-3-16						
	1) Earth work Excavation by manual means in ordinary soil involving an average horizantal throw upto 2 mts & an average lift upto 0.5m, Excavated surface leveled and sides neatly dressed the disposed Earth to be leveled neatly after breaking of clods complete as per specification page No. 150 / item no 19.1 / PWD SR 14-15 Qty vide item No.1 pre measurment recorded in page No. 416163/2 to 416164/2 of this MB @ Rs 75.60					365.63 m^3	27641.00

M. A
Me

Serial No. .....
Name of Work ..... Fron
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	4) providing and applying prepared surface of gron and spraying primer at means complete as per page No. 175 / item no 21.6 Qty vide item No. 4 F in page No. 416166 to	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
ted	on	30-3-16		
xnical means in ordinary soil				
ntal throw upto 2 mts & an average				
face leveled and sides neatly dressed				
eled neatly after breaking of clods				
page No. 150 / item no 19.1 / PWD SR 14-15				
ment recorded				
1/2 of this MB			365.63 m³	
RS	75.60			27641.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B
416102

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	4) providing and applying primer coat with bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per Specifications. MORTH specification No. 502 page No. 175 / item no 21.6 / PWD SR 2014-15						
	Qty vide item No. 4 pre measurment recored in page No. 416166 to 416167 1/2 of this MB					1462.80 m²	
	@ RS 1438.56						531368.00
					35.21		51395.00

MEASUREMENT BOOK

M. A.
Mea

Serial No. .....
Name of Work ..... From.
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3) providing, laying spreading & compacting graded stones aggregate to wet mix macadam specifications including pre measurment mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site laying in and uniform layers with paver in Sub-base / base course on well prepared surface & compacting with vibratorly roller to achive the desired density complete as per specification Qty vide item No. 3 pre measurment recored in page No. 416165 to 416166 of this MB @RS 1438.56					369.38m3	531368.00

Date	Full description, etc, of work	Number
1	2	3
	6) Cleaning and existing brushed & finally dusting to receive bitominous treat of machineries complete as Qty vide item No. 6 in page No. 416167/2	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
ıth	Breadth 5	Depth 6	7	8
Compacting graded stones aggregate				
ations including pre measurment				
ver at OMC in mechanical mix				
ad of tipper to site laying in				
ver in Sub-base/base course				
pacing with vibratorky roller				
Complete as per specification				
surment recored in				
of this MB		369.38m3		
@RS 1438.56				531368.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 416103

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	6) Cleaning and existing block topped surface with brooms, soft brushed & finally dusting with old gunny bags & / or compressed air to receive bituminous treatment including cost of all materials, labour of machineries Complete as per specification. MORTH Chapter 5.						
	By vide item No. 6 pre measurement recorded in page No. 41616 7/2 of this MB					4408.20 m2	
				@RS 3.02			13313.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7) providing & applying tack coat on the prepared blacktopped surfaces at 2.5 kg per 10sqm heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labours Hom of machineries Complete as per Specification MORTH Chapeter - 5 Qty vide item No. 7 pre measurment recorded in page No. 416168 of this MB					4408.20m 2 @Rs 18.74	₹ 2610.00

M. A. I
Mea

Serial No. .....
Name of Work ..... From..
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Measurment	
	8) providing and Laying b mix plant using crushed with bituminous binder at work site. laying with a hyd to the required grade, level & a tandem rollers to achive the tion clause No. 500.9	compl

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
			coat on the prepared blacktopped	
			m heating bitumen in boiler	
			oding cleaning of road surface)	
			s. labours Hom of machinerics	
			MORTH Chapeter - 5	
			urment recorded	
			MB	
			4408.20m2	
			@Rs 18.74	82610.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

416104

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Measurment recorded on						
	8) providing and Laying bituminous concrete 30-40mm thickness Hot mix plant using crushed agegregates of specified grading premixed with bituminous binder at mix and filler transporting the hot Mix to work site. laying with a hydrostatic paver finisher with Sensor control to the required grade, level & alignment. rolling with Smooth wheeledvibrato tendem rollers to achive the desired Compaction as per MORTH Specification clause No. 500.9 Complete in all respects with wing No 60						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	TPH Capacity with Sensor paver Gr-II (30-45 mm) with 6% VG-30 bitumen with all leads & lifts etc. Complete as per the direction of Engineer-in-charge of the work (PWDSR 2015-16) P. 164] No. 21.24.4)						
	Mutthuraya swamy temple road from pipe line	1	30.00	$\frac{(4.3+5.8)}{2}$	0.04	6.06 m³	
		1	30.00	$\frac{(4.3+3.7)}{2}$	0.04	4.80 m³	
		1	30.00	$\frac{(6.2+3.7)}{2}$	0.04	5.94 m³	
		1	30.00	$\frac{(4.3+6.1)}{2}$	0.04	6.24 m³	
		1	30.00	$\frac{(4.3+4.4)}{2}$	0.04	5.22 m³	

M. A. I
Mea

Serial No. .....
Name of Work ..... From..
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
		1
		1
		1
		1
		1
		1
	5th cross from ramesh road	1

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
ver	Gr-II (30-45 mm) with 6% V.C-30			
ts	Etc. Complete as per the direction			
	work (PWDSR 2015-16) P. 164] No.			
00	(4.3+5.8)/2	0.04	6.06 m3	
10	(4.3+3.7)/2	0.04	4.80 m3	
0	(6.2+3.7)/2	0.04	5.94 m3	
0	(4.3+6.1)/2	0.04	6.24 m3	
0	(4.3+4.4)/2	0.04	5.22 m3	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

416105

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.00	(4.4+4.0)/2	0.04	5.04 m3	
		1	30.00	(3.9+4)/2	0.04	4.74 m3	
		1	30.00	(3.9+3.0)/2	0.04	4.50 m3	
		1	30.00	(3.4+3.6)/2	0.04	4.20 m3	
		1	30.00	(3.4+5.7)/2	0.04	5.46 m3	
		1	30.00	(3.6+5.7)/2	0.04	6.84 m3	
	5th cross	1	30.00	(3.6+4.6)/2	0.04	4.92 m3	
	from ramesh road	1	30.00	(4.6+3.8)/2	0.04	5.04 m3	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(3.2+3.8)}{2}$	0.04	4.20 m3	
		1	30.00	$\frac{(3.2+3.5)}{2}$	0.04	4.02 m3	
		1	30.00	$\frac{(3.8+3.5)}{2}$	0.04	4.38 m3	
	6th Cross	1	32.00	$\frac{(3.8+4.6)}{2}$	0.04	5.38 m3	
	from muthuvay temple	1	30.00	$\frac{(4.8+4.6)}{2}$	0.04	5.64 m3	
		1	30.00	$\frac{(4.1+4.6)}{2}$	0.04	5.22 m3	
		1	30.00	$\frac{(4.1+5)}{2}$	0.04	5.46 m3	
		1	30.00	$\frac{(5+4.2)}{2}$	0.04	5.52 m3	
		1	24.00	$\frac{(4.3+5.3)}{2}$	0.04	4.61 m3	
	Ramush road	1	30.00	$\frac{(7.8+6.4)}{2}$	0.04	8.52 m3	

M. A.
Mea

Serial No. .....
Name of Work ..... From..
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Cross road	1
		1
		1
		1
		1
		1
		1
		1
		1

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
30	$\frac{(3.2+3.8)}{2}$	0.04	4.20 m3	
00	$\frac{(3.2+3.5)}{2}$	0.04	4.02 m3	
0	$\frac{(3.8+3.5)}{2}$	0.04	4.38 m3	
0	$\frac{(3.8+4.6)}{2}$	0.04	5.38 m3	
00	$\frac{4.8+4.6}{2}$	0.04	5.64 m3	
0	$\frac{(4.1+4.6)}{2}$	0.04	5.22 m3	
0	$\frac{(4.1+5)}{2}$	0.04	5.46 m3	
0	$\frac{(5+4.1)}{2}$	0.04	5.52 m3	
0	$\frac{(4.3+5.3)}{2}$	0.04	4.61 m3	
00	$\frac{(7.8+6.4)}{2}$	0.04	8.52 m3	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

416106

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Cross road	1	30.00	$\frac{(6.4+6.4)}{2}$	0.04	7.68 m3	
		1	30.00	$\frac{(6.4+6.6)}{2}$	0.04	7.80 m3	
		1	30.00	$\frac{(6.6+6.7)}{2}$	0.04	7.98 m3	
		1	30.00	$\frac{(6.7+6.7)}{2}$	0.04	8.04 m3	
		1	30.00	$\frac{(6.7+6.6)}{2}$	0.04	7.98 m3	
		1	30.00	4.5	0.04	5.40 m3	
		1	30.00	$\frac{(6+4.5)}{2}$	0.04	6.30 m3	
		1	12.00	5.8	0.04	2.78	
						175.91 m3	

@ RS 9696.72 = 1705769.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	9) Carriage of mixed materials 10 kms for items of SL No (1) 5.20 per cum/km page no. 186 item No. PWD SR 2013-14 Qty vide item No. 5 + 8					545.29 m³ @ RS 56.16	30623.00
	10) Disposal of Debries to the final place of disposal with all leads lift & directions by the Engineer in Charge of the work. Lead 10 km a) Basic rate for haulage of material as per item No. 17.4 KSRRB M100-4.1 RS 2.00 tonne/km b) average Earth of work 1.28 tonne/km for RS 2.00 km c) add loading & unloading item No LZ.1 KSRRB M 100-1 RS 62.2 (P-150, LNO 18.5.1.1)						

M. A. I
Mea

Serial No. .....
Name of Work ..... From..
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Qty vide item No. 1	

Checked
30/3/2016

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth 4	Breadth 5	Depth 6	7	8
ls Lo kms for items of SE No(1) . 186 item No. PWD SR 2013-14				
			545.29 m³	
@ RS 56.16			30623.00	
ral place of disposal with all leads ineer in charge of the work. Lead e of material as per item No. 17.4 n by average earth of work 1.25 loading & unloading item No 17.1 150. (No 18.57.1)				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 416107

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Qty vide item No. 1					365.63 m³	
				@ RS	72.71		26585.00
	Clear Site Ghosh 30/3/2016					Total =	2469404.00

Ghosh AG

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certified that the work done satisfactorily Certified that the debries removed from the work sports						

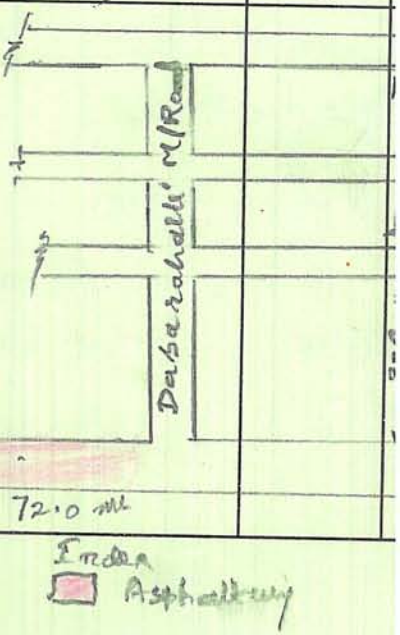
M. A. I
Mea

Serial No. .....

Name of Work ..... From..

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
		

ENT BOOK

Dimensions			Contents	Reference to last Measurement
ıth	Breadth 5	Depth 6	7	8
satisfactorily				
oved from the work sports				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

416108

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6